1. QUICKWAY℠ Digital Service
1.1 General

Rates and charges for services explained herein are contained in Part M, Section 3.

1.1.1 Definitions
Bit—The smallest unit of information in the binary system of notation.
Digital Service Center—The wire center to which local distribution channels, interoffice channels and interdigital service center channels are connected in the digital service center area where access to the service is provide.
Digital Service Center Area—A specific geographic area in the digital service center.
Serving Wire Center—The office from which a customer would be served for local exchange telephone service.

1.1.2 Availability	
A.	Quickway is no longer available. Service installed prior to August 12, 1990 is furnished to existing customers at present locations only in the same or lesser quantities.

1.1.3 Description	
A.	Quickway is a service for the transmission of digital signals and provides for the simultaneous transmission (duplex operation) of these signals at synchronous speeds of 2.4, 4.8, 9.6, or 56 kilobits per second (kbps) within a Local Access and Transport Area (LATA).
B.	**Service Options**
1.	**Two Station Service**—This offering may consist of two local distribution channels furnished in the same digital service center, or two local distribution channels furnished in different wire centers within the digital service center area requiring an interoffice channel or two local distribution channels located in two different digital service center areas requiring an interdigital service center channel and interoffice channels if applicable.
2.	**Multi-Station Service**—This offering consists of connections of three or more stations from a designated multi-station digital service center and provides the capability to connect multiple stations at a designated multi-station digital service center. All stations must operate at the same transmission speed.

1.1.4 Service Components	
A.	**Local Distribution Channel**—A two-point digital transmission path between the customer's premises and the serving wire center.

1. QUICKWAY℠ Digital Service
1.1 General

1.1.4	Service Components
B.	**Interoffice Channel**—A two-point transmission path between a serving wire center and a designated digital service center where Quickway capability is available. The mileage for interoffice channels is based on the airline distance using V&H coordinates between the serving wire center and the digital service center.
C.	**Interdigital Service Center Channel**—A two-point transmission path between two different digital service centers. The mileage for interdigital service center channels is based on the airline distance using V&H coordinates between digital service centers.

1. QUICKWAY℠ Digital Service
1.2 Responsibility of the Telephone Company

1.2.1 Cancellation	
A.	When an application for service is cancelled or changed in whole or in part by the applicant prior to completion of the construction and installation, the regulations in Part A, Section 1 apply.

1.2.2 Interruption of Service	
A.	Credit allowances are applied as set forth herein, subject to the provisions in Part A, Section 1.
B.	A credit allowance will be made for the portion of the service which is affected, subject to the limitations herein, provided that the interruption is brought to the attention of the Telephone Company within ten days. For the purpose of determining the amount of the allowance, every month is considered to have 30 days.
C.	No credit is allowed for interruptions to service of less than 30 minutes. Interruptions of 30 minutes or over are credited to the customer at the proportionate monthly charge in half hour multiples for each half hour or major fraction thereof of interruption. No credit allowance will be made for the following interruptions.
1.	Interruptions due to the negligence of the customer or authorized user.
2.	Interruptions of service due to failure of facilities or equipment provided by the customer or authorized user.
3.	Interruptions of service which continue due to the failure of the customer to authorize replacement of any element of special construction. The period during which no credit allowance will be made shall begin on the seventh day after the customer receives the Telephone Company's notification of the need for such replacement and shall end on the day after the Telephone Company receives the customer's authorization for such replacement.

1.2.3 Suspension of Services	
A.	Quickway and its associated equipment is not subject to a temporary suspension of service arrangement.

1. QUICKWAY℠ Digital Service
1.3 Regulations

1.3.1 Use of Service	
A.	Quickway may be used for the transmission of data communications to or from the customer or authorized user and relating directly to the customer's or authorized user's business.
B.	Quickway may be used for the transmission of data communications relating directly to the business of a subsidiary corporation over which the customer exercises control.
C.	**Unlawful Use**—The service furnished under this tariff shall not be used by other than the customer or authorized user or for any purpose or in any manner directly or indirectly in violation of the law or in aid of any unlawful act or undertaking.

1.3.2 Minimum Period	
A.	The minimum period for which service is furnished and for which charges are applicable is one month.
1.	The charges for a fractional part of a month which follows and is consecutive with a full month will be a proportionate part of the monthly charge using the same ration that the actual number of days service is furnished bears to 30 days.

1.3.3 Special Construction	
A.	Where suitable facilities are not available for the provision of service as ordered by the customer or unusual expenditures are involved, special construction charges may apply as determined on a case by basis as specified in Part A, Section 2.

1.3.4 Application of Rates and Charges	
A.	Monthly rates are offered under the Flexible Rate Pricing Plan as specified in Part A, Section 1.
1.	Currently applicable rates are contained in the Telephone Company's Price List.
B.	In addition to the NRCs and monthly rates for service, premises work charges apply as appropriate.
C.	**Multi-Station Arrangement**—Such an arrangement is required for each station on a service arranged for multi-station operation.
D.	**Move and Change Charges**
1.	**Move**—Premises work charges apply for the move of digital local channels.
2.	**Change**—Charges apply as for a new installation for a change in digital local channels.

2. SUPERPATH® 1.544 Mbps Digital Service
2.1 General

Rates and charges for services explained herein are contained in Part M, Section 3. Service charges referred to herein are explained in Part A, Section 3 and contained in Part M, Section 1.

2.1.1 Definitions
Bit—The smallest unit of information in the binary system of notation.
Channel Service Unit Functionality—Equipment which performs the function of proper termination of a circuit, regeneration of signals, recognition and correction of signal format errors, and remote loopback.
Confirmed Due Date—The date on which work activity is scheduled to be completed by the Telephone Company and for which the service is available for use by the customer. The confirmed due date is provided by the Telephone Company to the customer once the availability of Telephone Company facilities has been authorized.
DS1 to Digital Multiplexer—A service provided by the Telephone Company at central offices, designated as multiplexing hubs, that converts a 1.544 Mpbs channel to 24 channels for use with digital private line service.
DS1 to Voice Multiplexer—A service provided by the Telephone Company at central offices, designated as multiplexing hubs, that converts a 1.544 Mpbs channel to 24 channels for use with voice grade service.
Intermediate Hub—A wire center that provides multiplexing which can serve itself and one or more wire centers within the Local Access and Transport Area (LATA). In this intermediate hub (wire center) a 1.544 Mpbs channel can be multiplexed and the individual channels terminated at customer designated premises located within the local serving area of that wire center. Individual channels can be extended through any designated wire center(s) subtending the intermediate hub within the LATA to terminate at customer designated premises located within the local serving area of each wire center.
Interoffice Channel—A 1.544 Mbps path for digital transmission between central offices.
Intra Central Office Distribution Channel—A 1.544 Mbps path for digital transmission to connect a local distribution channel or interoffice channel to a central office based service.
Local Distribution Channel—A 1.544 Mbps path for digital transmission between the customer's premises and the serving central office.
Multiplexing—The act of combining a number of individual channels for transmission over a common transmission path.
Multiplexing Hub—A Telephone Company designated central office at which multiplexing functions are performed.
Terminus Hub—A wire center in which a 1.544 Mbps channel can be multiplexed to 24 channels. A terminus hub serves only customers in the wire center in which the multiplexing is performed.

2. SUPERPATH® 1.544 Mbps Digital Service
2.1 General

2.1.2	Description
A.	Superpath is a 1.544 Mbps channel provided on a two point basis. Superpath is provided with a local distribution channel(s) and an interoffice channel, local distribution channels only, or, an interoffice channel between two Telephone Company designated central offices. Superpath is provided between the following locations.
1.	Customer designated premises
2.	A customer designated premises and a Telephone Company designated central office
3.	Telephone Company designated central offices.
B.	Superpath is provided only where facilities are available and is subject to the technical limitations of the digital equipment used by the Telephone Company as set forth in the PUB 62411 and TR-NPL-000054.
C.	Superpath consists of two point digital channels and equipment which provide for simultaneous two-way transmission of serial, bipolar, return to zero, digital signals at a transmission speed of 1.544 Mpbs.
D.	Superpath is designed to provide an average performance of at least 98.75% error-free seconds of transmission measured over a continuous 24 hour period.
E.	Superpath is furnished on a full-time basis, 24 hours a day, seven days a week.
F.	Central Office (CO) Multiplexing may be provided from suitably equipped multiplexing hubs. The customer is responsible for the assignment of individual channels within the multiplexer and for maintaining records of those assignments. Customer provided multiplexing equipment must conform with the electrical requirements for channel units specified in PUB 43801 and CB 119.
1.	The central office multiplexing capability is provided by a central office multiplexer at designated multiplexing hubs which converts a 1.544 Mpbs channel to 24 channels for use with voice grade services and/or analog data services or to 24 channels for use with digital services.

2.1.3	Service Functions
Service functions are optional features or arrangements that are available for use with Superpath Digital service.	
A.	**Central Office Multiplexing DS1 to Voice** allows for up to 24 individual voice grade or analog data private lines on a channelized basis for use with a 1.544 Mbps circuit. This function is offered for the same customer at multiplexing hubs. The voice grade private lines provided are as follows.
1.	Centrex tie lines and SOPs
2.	Foreign exchange
3.	Private Line Analog Data

2. SUPERPATH® 1.544 Mbps Digital Service
2.1 General

2.1.3	Service Functions
A.	(Continued)
4.	Private Line Voice (PLT)
5.	PBX Stations Off-Premises (SOPs)
6.	PBX tie lines
B.	**Central Office Multiplexing DS1 to Digital** allows for up to 24 individual digital private lines to be derived from a 1.544 Mbps circuit. This function is offered for the same customer at multiplexing hubs.
C.	**Clear Channel Capability (CCC)** provides a bipolar with eight zero substitution (B8ZS) encoding technique that allows a customer to transport 1.536 Mbps information rate signals over a Superpath 1.544 Mbps circuit with no constraint on the quantity or sequence of ones (mark) and zero (space) bits. This arrangement allows customers to derive 64 kbps clear channels. This service is provided only on Superpath 1.544 Mbps digital service between two customer designated premises and is subject to the availability of facilities. This arrangement requires that customer provided multiplexing equipment to be compatible with the B8ZS line code as specified in TR-NPL-000054 and PUB 62508.

2. SUPERPATH® 1.544 Mbps Digital Service
2.2 Responsibility of the Telephone Company

2.2.1	Service Provisioning Warranty
A.	The Telephone Company assures that when a customer orders Superpath, service will be installed and available for customer use no later than the confirmed due date. The failure of the Telephone Company to meet this confirmed due date will result in the credit of all applicable Superpath S&E charges for the local distribution channel, and central office multiplexer associated with the missed commitment. The S&E charges will be credited at the rate at which they are billed.
B.	The following service configurations are subject to the provisioning warranty.
1.	Superpath provided on a two point basis between customer designated premises
2.	Superpath provided between a customer designated premises and a Telephone Company hub where central office multiplexing is performed. The derived services associated with central office multiplexing are not included in the warranty.
C.	The service provisioning warranty does not apply under the following situations.
1.	When the customer requests an expedited due date
2.	When other telephone companies are involved in the installation
3.	When the customer premises is inaccessible
4.	When the customer changes interface requirements
5.	When the customer is not ready to accept service
6.	When building facilities are not ready (including space, cable support structures, building risers and entrance facilities to be provided by the building owner or his subcontracted vendors)
7.	When the customer orders termination beyond the network interface
8.	When the customer requests service rearrangements; or moves within the same building
9.	When special construction is required to provision service
10.	When the delay is caused by work stoppage, civil disturbances, criminal actions; or by fire, flooding or other occurrences attributed to an Act of God
11.	When Superpath is provided with Network Reconfiguration service.

2.2.2	Interruption of Service/Maintenance Warranty Program
A.	When service is interrupted for 30 minutes or more a credit allowance will be made for the portion of the service which is affected, provided that the interruption is brought to the attention of the Telephone Company within ten days. For the purpose of determining the amount of allowance, every month is considered to have 30 days.
1.	The total credit allowance in any one billing period cannot exceed 100% of the customer's monthly charge for service.

2. SUPERPATH® 1.544 Mbps Digital Service
2.2 Responsibility of the Telephone Company

2.2.2	Interruption of Service/Maintenance Warranty Program
A.	(Continued)
2.	Interruptions are credited to the customer at the proportionate monthly contract charge in half hour multiples for each half hour or major fraction thereof of interruption. The applicable credit is based on the following periods of interruption.
a.	Thirty minutes or more but less that two hours—Credit is 1/1440th per 30 minute period or fraction.
b.	Two hours or more—Credit is 35% of the applicable monthly charge or 1/1440th per 30 minute period whichever is higher.
B.	No credit allowance will be made for the following interruptions to service.
1.	Service interruptions of less than 30 minutes
2.	Service interruptions caused by the negligence of the customer or authorized user
3.	Service interruptions resulting from the failure of equipment provided by the customer or authorized user
4.	Service interruptions which continue due to the failure of the customer to authorize replacement of any element of special construction. The period during which no credit allowance will be made begins on the seventh day after the customer receives the Telephone Company's notification of the need for replacement and ends on the day after the Telephone Company receives the customer's authorization for replacement
5.	During periods when the customer elects not to release the service for testing and/or repair
6.	During periods when the customer or user has released the service for rearrangement purposes or for the implementation of a customer order.

2. SUPERPATH® 1.544 Mbps Digital Service
2.3 Regulations

2.3.1	Minimum Period
A.	The minimum service period is three months

2.3.2	Determination of Mileage
A.	Mileage used to determine the rate for a local distribution channel is the airline distance measured, in increments of ½ mile, directly between the customer's premises and the serving central offices.
B.	Mileage used to determine the rate for a 1.544 Mbps interoffice channel is the airline distance measured, in one mile increments, directly between the serving central offices or between a serving central office and the Telephone Company multiplexing hub.

2.3.3	Application of Rates and Charges
A.	**Premises Work Charges** apply in addition to the monthly rates and S&E charges for service.
B.	**Interoffice Channels**—When the interoffice channel is connected at the same time as the local distribution channel, the S&E charge applies, per interoffice channel.
1.	When the interoffice channel is installed without the associated local distribution channel the interoffice S&E charge applies as does an additional S&E charge which is assessed per interoffice channel.
C.	**Optional Features**
1.	For central office multiplexing DS1 to Voice, rates and charges for voice grade connections from the central office multiplexer for Private Line Types 2001A, and 2001B include signaling arrangements. Rates and charges for conditioning for Private Line Series 3000 analog data voice grade connections are explained in Part B, Section 2.
2.	Rates and charge for voice grade connections from the central office multiplexer to a customer premises or a foreign exchange service in a different serving central office are provided as Private Line Series 2000 and 3000 channels.
3.	For central office multiplexing DS1 to Digital, rates and charges apply for digital private line connections from the central office multiplexer to a customer premises.

2. SUPERPATH® 1.544 Mbps Digital Service
2.3 Regulations

2.3.4	Variable Term Payment Plan (VTPP)	
A.	The monthly rates and S&E charges for Superpath are offered under the VTPP as described herein and in Part A, Section 1. The VTPP monthly rates and S&E charges are payable over the following Optional Payment Periods (OPP) as selected by the customer. Only the local distribution channel, intracentral office distribution channel, central office multiplexing and interoffice channels are eligible for the OPPs of 36 month or 60 months.	
1.	The available OPPs for Superpath monthly rates are month-to-month, 36 months and 60 months.	
2.	The available OPPs for Superpath S&E charges are 36 months and 60 months.	
a.	When a customer selects the S&E charge 36 or 60 month OPP, their S&Es reflect a 50% reduction. The total number of S&E charges included in an OPP may not exceed the total number of local distribution channels and interoffice channels included in the OPP.	
b.	The OPP selected for the S&E charges must be the same as the OPP established for monthly rates.	
c.	An OPP may not be established only for S&E charges. The monthly rates for the channels which incurred the charges must also be included.	
B.	**Termination Liability—** If a customer terminates service or cancels an OPP before the expiration of a commitment period the customer is subject to a termination liability charge. If a customer terminates service prior to a minimum service period, the minimum service period charges also apply, in addition to the discounted monthly rates for each local distribution channel and for the interoffice channels. The termination charges applicable to Superpath are dependent upon the payment period selected by the customer (refer to Exhibits 2.3.4-1 and 2.3.4-2).	
1.	When a customer disconnects some or all discounted channel in order to replace them with other Telephone Company provided channels the appropriate minimum service period charges would apply. The termination liability does not apply provided that the new orders for the new channels and the disconnect of the existing channels are placed with the Telephone Company at the same time, the new channels have an equal or higher channel capacity than the disconnected channels and the term plan of the new service should be of equal or greater length than the remaining commitment period of the service being disconnected.	(T) (C) (C)
2.	A customer may, at any time prior to the expiration of the selected payment period for an existing OPP, change to an OPP with a longer payment period at the then effective discount. No termination liability charges will apply for any services extended under the longer commitment period. The monthly rates applicable for the longer commitment period will apply effective with the next bill day following the request for the change.	
C.	**Expiration—** At the end of the payment period, the customer will have the option of subscribing to any then effective discount plans or retaining the service under the standard rates in effect at the time. If the customer does not notify the Telephone Company of its choice, standard rates will be applied upon expiration of the payment period.	

2. SUPERPATH® 1.544 Mbps Digital Service
2.3 Regulations

2.3.4	Variable Term Payment Plan (VTPP)
D.	**Transfer of Service** will not be provided.

2. SUPERPATH® 1.544 Mbps Digital Service
2.3 Regulations

2.3.4 Variable Term Payment Plan (VTPP)

Exhibit 2.3.4-1
VTPP Termination Charges by Monthly Rate Payment Periods

Payment Period	Termination Charges
Month-to-Month	None
36 Months	50% of the present value of the remaining monthly payments
60 Months	50% of the present value of the remaining monthly payments

2. SUPERPATH® 1.544 Mbps Digital Service
2.3 Regulations

2.3.4 Variable Term Payment Plan (VTPP)

Exhibit 2.3.4-2
VTPP Termination Charges by S&E Charges Payment Periods

Payment Period	Termination Charges
36 Months	100% of the present value of the remaining monthly payments
60 Months	100% of the present value of the remaining monthly payments

3. SWITCHWAY® Switched 56 Kbps Service
3.1 General

Rates and charges for services explained herein are contained in Part M, Section 3. Service charges referred to herein are explained in Part A, Section 3 and contained in Part M, Section 1.

3.1.1	Description
A.	Switchway is a digital, end to end public switched 56 kbps service that provides full duplex, synchronous information transport via a specially equipped measured access line.
B.	Switchway is provided where suitable facilities are available. The provision of access by the Telephone Company to the Switchway service network is subject to the availability of such facilities and does not create an obligation of the Telephone Company to construct facilities except as provided in Part A, Section 2.
C.	The customer dials the called number using normal dialing procedures for a local or toll call; only two point connections may be established at any time.
D.	Switchway may be used for the transmission of data communications to or from any station on the service.

3.1.2	Service Components
A.	**Measured Access Line**—A two point measured, switched digital transmission path between the customer's premises and the customer's serving wire center. The Switchway measured access line is a nonloaded metallic facility and the provision of this access line is dependent upon the technical and transmission limitations necessary to provide this service which includes a maximum loop length of 18,000 feet between the customer's premises and the serving wire center.
B.	**Service Arrangement**—An arrangement consisting of a hardware and software located at Telephone Company designated Switchway wire centers that is necessary to provide 56 kbps switched service. Service may be provided from other wire centers not equipped for Switchway through a remote service arrangement.
C.	**Remote Service Arrangement**—A two point digital transmission path between the customer's serving wire center and a Telephone Company designated Switchway wire center where Switchway is available. The mileage for remote service is based on the airline distance using V&H coordinates between the serving wire center and the wire center where Switchway is available.
D.	**Network Call Usage** is the rates applicable for chargeable time which contains the initial period charges or the initial period and overtime charges.

3. SWITCHWAY® Switched 56 Kbps Service
3.2 Responsibility of the Telephone Company

3.2.1	Cancellation
A.	When an application for service is cancelled or changed in whole or in part by the applicant prior to completion of the construction and installation, the regulations in Part A, Section 1 apply.

3.2.2	Interruption of Service
A.	For any complete failure of Switchway which continues for more than 24 hours, credit will be applied according to Part A, Section 1.

3.2.3	Suspension of Service
A.	Switchway is not subject to a temporary suspension of service.

3. SWITCHWAY® Switched 56 Kbps Service
3.3 Responsibility of the Customer

3.3.1	Terminal Equipment
A.	The customer shall provide terminal equipment compatible with the interface specifications as described in TR-EOP-000277.

3. SWITCHWAY® Switched 56 Kbps Service
3.4 Regulations

3.4.1	Minimum Period
A.	The minimum period for which service is furnished and for which charges are applicable is one month.
1.	The charges for a fractional part of a month which follows and is consecutive with the full month will be a proportionate part of the monthly charge using the same ratio that the actual number of days service is furnished bears to 30 days.

3.4.2	Special Construction
A.	The regulations specified in Part A, Section 2 are applicable to Switchway.

3. SWITCHWAY® Switched 56 Kbps Service
3.5 Application of Rates and Charges

3.5.1	General
A.	Service charges, including those for moves and changes, apply in addition to the charges for Switchway specified herein.

3.5.2	Network Call Usage
A.	**Timing of Messages**—All network usage is timed and measured. Chargeable time begins when the connection is established between the calling party station and the called party. Chargeable time ends when the network connection is released.
B.	**Usage Time**
1.	Charges for calls within the local service area will be determined based on the actual time of each call for each minute or fraction thereof.
2.	Charges for each call outside the local service area will be determined based on the actual time of each call in one second increments. At the end of the customer's billing period when the total charges for usage would result in fractions of a cent being billed, the total will be rounded to the nearest cent for billing purposes.
C.	**Calling Area**—The local service area of each exchange consists of the serving exchange, the additional exchanges included in the extended local service area and the municipalities specified in Part A, Section 5.
1.	Calls may be completed to points within the local service area subject to call establishment and call connection charges.
a.	For calls within the local service area, a 50% discount applies on calls made from 9PM to but not including 9AM weekdays and all day on Saturdays, Sundays, and on Thanksgiving Day (the fourth Thursday in November), Christmas Day (December 25), New Year's Day (January 1), Independence Day (July 4) and on Labor Day.
2.	Calls may be completed to locations outside of the customer's local service area during all time at periods per message rates, and per minute, per second rates which vary according to time period.
a.	The Day period rate is subject to a credit based on usage amounts when such amounts exceed 240 minutes.
b.	Day rates apply Mondays through Fridays from 8AM to, but not including, 5PM.
c.	Evening rates apply Sundays through Fridays from 5PM to, but not including, 11PM. On Christmas Day (December 25), New Year's Day (January 1), Independence Day (July 4), Thanksgiving Day, Labor Day, or on resulting legal holidays when Christmas, New Year's, or Independence Day legal holidays fall on dates other than December 25, January 1, or July 4, respectively, the holiday rate is the evening rate. Evening rates apply, unless a lower rate would normally apply.
d.	Night and weekend rates apply Sundays through Thursdays from 11PM to, but not including, 8AM of the following day, and from 11PM Fridays to, but not including, 5PM Sundays.

4. INFOPATH® Packet Switching Service
4.1 General

Rates and charges for services explained herein are contained in Part M, Section 3. Service charges referred to herein are explained in Part A, Section 3 and contained in Part M, Section 1.

4.1.1 Definitions

Access Concentrator (AC)—The network equipment which collects customer data information from many access lines, multiplexes, routes and switches the data. The access concentrator improves the efficiency of a communications circuit by combining a number of low speed inputs into a single, higher speed output.

Asynchronous—A form of communications whereby each data character is individually synchronized by means of start and stop elements.

Bursty Traffic—Communications traffic characterized by short periods of high intensity separated by fairly long intervals of little or no utilization.

Call Request Packet—The first packet in each session which contains the call request information.

Data Circuit Terminating Equipment (DCE)—Telephone Company network channel terminating equipment that interfaces with customer provided data terminal equipment.

Data Terminal Equipment (DTE)—Customer provided equipment, either terminals or computers, that interfaces with the Infopath packet switching service network.

Kilopacket—One thousand packets.

Logical Channel—A virtual communications channel through the network that allows simultaneous transmission of sequenced data packets through the network.

Octet—A continuous sequence of eight binary digits of information.

Packet—A continuous sequence of octets of information which is switched through the network as an integral unit. A packet can contain up to 256 octets of customer data as well as transmission and error control information. For billing purposes, a packet contains up to 128 octets.

Permanent Virtual Circuit—A circuit which is the electronic equivalent of a private line between two destination network addresses.

Port Connection—A communications interface provided by the Telephone Company through which the customer or an authorized user is connected to the network.

Protocol—A set of rules and procedures that permit the orderly exchange of information within and across a network

Switched Virtual Circuit—A communications channel (logical channel) established on a switched basis as a result of the call establishment procedure via one network address calling another network address. The communications channel exists until the call is terminated by either the calling or called party.

4. INFOPATH® Packet Switching Service
4.1 General

4.1.1 Definitions
Synchronous—A form of communications where characters or bits are sent in a continuous stream, with the beginning of one continuous with the end of the preceding one. Separation of one from another requires the receiver to maintain synchronization to a master timing signal.
Throughput—The amount of information that can be moved through a port connection to and from a customer's computer or terminal during a specified time interval.
Virtual Circuit—A logical channel established as a result of the call establishment procedure to a network address that exists for a period of time until either end of the circuit initiates the call clearing procedures.
X.25 Protocol—An international protocol that defines the interface between the customer's equipment and a public packet network data circuit terminating equipment for public packet switched networks. It is a reference to the section of the published international recommendations established by the International Telephone and Telegraph Consultative Committee (CCITT) where this particular type of protocol generally monitors electrical interface, error checking, etc.

4.1.2 Description	
A.	Infopath provides synchronous and asynchronous network transport of data through the network which usually involves relatively short bursts of data. The data are separated into discrete segments called packets for high speed transmission through the network. All packets are interleaved (statistically multiplexed) on the facilities as they are transmitted. These packets may contain up to 256 characters of data.
1.	Asynchronous transmission is a form of communications whereby each data character is individually synchronized by means of start and stop elements. Asynchronous service supports start stop mode operation with ASCII codes at speeds up to 9.6 kbps. With asynchronous access, the access concentrator will perform a built in Packet Assembler/Disassembler (PAD) function to convert the data into packets utilizing a common protocol (X.25) and route them through the network to the specified destination.
B.	Routing and control information (packet header) is automatically inserted at the beginning of each packet, and error detection information (packet trailer) is automatically inserted at the end of each packet. Complete with this information, the entire packet is routed through the network to its intended destination.
1.	Error checking is performed on each packet as it is transmitted through the network. If a packet and/or format error is detected, the sending equipment is automatically instructed to retransmit the message. A message may consist of a single packet or multiple packets.

4. INFOPATH® Packet Switching Service
4.1 General

4.1.2	Description
C.	The major components of the packet network are Access Concentrators (AC) which perform the interfacing and concentration functions (statistical multiplexing), switching and routing, and the network facilities.
D.	Infopath will be furnished only when the customer has subscribed to an adequate number of port connections or logical channels as established by the Telephone Company to accommodate the service requested, (i.e., originating, terminating or two-way calling) without impairing the network.
E.	Infopath is provided where suitable facilities are available.

4.1.3	Service Options
A.	Various options permit customers flexibility in specifying how they operate on the network. These options are Switched Virtual Circuit service and Permanent Virtual Circuit service. In addition, optional features are available which expand customer capabilities on the Infopath service network. Switched and permanent virtual circuits may be designated as one-way incoming, one-way outgoing, or two-way.
1.	Additional restrictions may be placed on the circuits to allow DTE to place calls only to predesignated DTE or to receive calls only from predesignated DTE or to restrict both the origination and termination of calls.
a.	**Switched Virtual Circuit (SVC)** service is a standard Infopath service and utilizes a temporary switched data connection which permits an end user to establish a call to another point on the network.
b.	**Permanent Virtual Circuit (PVC)** service is an optional type of Infopath service. It provides the customer with the electronic equivalent of a private line between two points. At the time of subscription to this form of service, a virtual circuit is established between two specific customer locations which are connected to the network. While no physical circuits are dedicated, the two locations are electronically connected together.
B.	**Closed User Groups**—The customer has the option of establishing Closed User Groups which permit the customer to arrange a subnetwork within the public packet switching network. This option provides for communications only between pre-designated terminals on the network.

4. INFOPATH® Packet Switching Service
4.1 General

4.1.4 Service Components–Synchronous

A. The service components which apply to synchronous Infopath are port connections, network usage, and optional features.

1. **Port Connections**—Each port connection comes with one logical channel. The port connections are as follows.

a. **Access Concentrator Port Connection (Low to Medium Throughput)** provides the customer with dedicated access to a port on the access concentrator at transmission speeds of up to 9.6 kbps using Digipath Digital service II, DovPath or Type 3002 private line channels. This type of connection has both originating and terminating capabilities using X.25 protocol. The X.25 protocol provides the capability of establishing multiple virtual communication links from the customer's premises through the packet switching network. The maximum number of logical channels available is 32 per port.

2. **Network Usage** on the Infopath packet switching network is comprised of call set-up and packet transport, per minute or transaction. Usage charges may be billed to the originator or receiver of packets, as arranged for on each call. Packet switching network usage is aggregated per billing month. When more than 2,500 kilopackets are transmitted in a billing month, rates are discounted.

a. **Call Setup** initiates a request on a switched virtual circuit for the establishment of a virtual channel for the duration of the call. Call setup is billed on a per call basis.

b. **Packet Transport** provides for the routing of packets over the packet switching network. Usage charges are based on the number of packets transmitted (either sent or received while the call is on the Infopath service network). The minimum unit of billing is a kilopacket. A kilopacket is 1,000 packets of two segments of 64 characters each.

c. **Per Minute** is usage billed on a per minute basis. The duration of each call is recorded in minutes and seconds and rounded to the nearest minute at the end of the month. Call setup, holding time and kilopackets do not apply to per minute billing.

d. **Transaction** is a billing arrangement available to Infopath customers with point-of-sale applications, where customers have a need to transfer small amounts of data many times a day, e.g., credit verifications. Usage charges for call setup, holding time and kilopackets do not apply to transaction billing. A transaction is defined as 10 packets or fraction thereof.

3. **Optional Features** provide the customer with additional capabilities for interaction with the Infopath service packet switching network and should be selected by the customer at the time of subscription.

a. **Abbreviated Addressing** allows the customer to specify an alphanumeric code from two to four characters that can be used in place of a data telephone number for easier end user access.

b. **Additional Logical Channel** allows the customer to simultaneously operate multiple channels on a single port.

4. INFOPATH® Packet Switching Service
4.1 General

4.1.4 Service Components–Synchronous

A. 3. (Continued)

c. **Call Detail** provides for printed detail of each call billed to the customer for use of the Infopath service packet switching network. This option is available on either a continuous monthly basis or on a per request basis.

d. **Call Rerouting** is a data call forwarding capability that allows the customer to predefine one alternate destination to which calls will be rerouted in the event of a failure or busy condition at the primary destination.

e. **Closed User Group** allows the customer to establish a subnetwork among a restricted number of other users within the Infopath service packet switching network who can communicate privately with each other. Members of the closed user group may be designated as having incoming, outgoing, or restricted access.

f. **Multiple Network Address** allows a customer to subscribe to additional data terminal numbers in groups of ten. These numbers can be used with existing packet network connections and allow messages to be delivered to the customer's pre-specified destinations.

g. **Permanent Virtual Circuit** is a circuit which is the electronic equivalent of a dedicated private line between two destination network addresses.

4.1.5 Service Components–Asynchronous

A. The service components which apply to asynchronous Infopath are access concentrator port connections, network usage, and optional features.

1. **Access Concentrator Port Connections** include public dial in access, private dial in access, private dial out access and dedicated access.

a. **Public Dial In Access** for originating calls only, is initiated by dialing an Infopath packet switching service network number via an exchange line. Applicable message unit and toll charges apply for each completed call to the Infopath packet switching service network access number. Public dial in access supports asynchronous protocol and transmission speeds of up to 9.6 kbps. A Network User Identification (NUI) code is required for log-on to the network.

b. **Private Dial In Access** is the same as the public dial in access port connection except that it is dedicated to one customer. Private dial in access is initiated via a line which connects the end user to the central office circuit switch; the line may be any type which has dial up network exchange capability. A separate business line with dial up network exchange capability, excluding Centrex and Feature Group A (FGA), is required to provide the customer who subscribes to the private dial in port with a connection from the central office circuit switch to the access concentrator. The customer who subscribes to the private dial in port will be billed for the additional line.

4. INFOPATH® Packet Switching Service
4.1 General

4.1.5 Service Components–Asynchronous

A. 1. (Continued)

c. **Private Dial Out Access** enables a customer who already has access into Infopath, to place a call out of an access concentrator to a destination on the circuit switched network. This port connection is dedicated to one customer and supports transmission speeds up to 2.4 kbps. A separate business line, as specified for the private dial in port connections is required to connect the central office circuit switch to the access concentrator. The customer is responsible for all appropriate charges that apply to the exchange line as well as for charges that apply to the outgoing call.

d. **Dedicated Access Port Connection** provides dedicated access from a customer's premises to a port on the access concentrator at transmission speeds of up to 9.6 kbps using Private Line Type 3002 channels for intraexchange and interexchange channels.

2. **Network Usage** for asynchronous service is the same as for synchronous service (refer to Section 4.1.4), plus holding time for each minute of connect time in public dial ports.

3. **Optional Features**

a. **Abbreviated Addressing**

b. **Call Detail**

c. **Call Rerouting**

d. **Closed User Group**

e. **Network User Interface (NUI) Code** is an alphanumeric code which identifies the user to the Infopath network.

f. **Permanent Virtual Circuit**

4. INFOPATH® Packet Switching Service
4.2 Responsibility of the Telephone Company

4.2.1	Cancellation
A.	When an application for service is cancelled or changed in whole or in part by, or on behalf of the applicant prior to completion of construction and installation, the applicant is required to pay to the Telephone Company, upon demand, the total costs and expenses in connection with providing and removing the service less the estimated recoverable value if any.

4.2.2	Interruption of Service
A.	For any complete failure of an Infopath service port which continues for more than 24 hours, credit will be applied according to Part A, Section 1.

4.2.3	Suspension of Service
A.	Infopath is not subject to a temporary suspension of service.

4. INFOPATH® Packet Switching Service
4.3 Responsibility of the Customer

4.3.1	Data Terminal Equipment
A.	Customers must provide DTE in conformance with the interface specifications as described in NTR-74250 (X.25 Protocol) and NTR-74252 (Asynchronous Protocol).

4. INFOPATH® Packet Switching Service
4.4 Regulations

4.4.1	Minimum Period
A.	The minimum period for which service is furnished and for which charges are applicable is one month.
1.	The charges for a fractional part of a month which follows and is consecutive with a full month will be a proportionate part of the monthly charge using the same ratio that the actual number of days service is furnished bears to 30 days.

4.4.2	Special Construction
A.	The regulations specified in Part A, Section 2 for the construction of facilities are applicable.

4.4.3	Application of Rates and Charges
A.	**Infopath Packet Switching–Synchronous**
1.	**Access Concentrator Port Connections–Low to Medium Throughput**—Rates and charges include central office equipment at the access concentrator. In addition, the service requires a Private Line Type 3002 channel or a point to serving wire center arrangement (i.e., DDSII), as appropriate and a central office interface.
2.	**Central Office Interface**—Monthly rates and NRCs apply for each interface.
a.	For interface option changes, service charges apply.
B.	**Infopath Packet Switching–Asynchronous**
1.	**Access Concentrator Port Connection**—Rates and charges are dependent upon the type of port connection access selected by the customer. Public and private dial access include central office equipment at the access concentrator.
a.	The dedicated port connection requires a Private Line Type 3002 channel from the customer's location to the access concentrator and a central office interface.
C.	**Network Usage**—Charges for synchronous and asynchronous service are based on calls originated to the network addresses in the serving area. A charge applies for call setup, for packets transmitted during virtual connection, for per minute and for transaction usage. Call setup and packet are accumulated and billed on a monthly basis. With Asynchronous service when a customer chooses to have usage billed as call setup and packet transport an additional service usage charge applies per public dial access, per minute or fraction thereof when access to the Infopath service network is via public dial.
1.	**Time Periods**—Network usage call setup rates are time of day sensitive. The time of day periods are as follows.
a.	**Day**—8AM–5PM
b.	**Evening**—5PM–11PM

4. INFOPATH® Packet Switching Service
4.4 Regulations

4.4.3 Application of Rates and Charges	
C.1.	(Continued)
c.	**Night**—11PM–8AM
D.	**Optional Features**—When installed subsequent to initial Infopath service, optional features are subject to NRCs. When optional features are requested subsequent to the initial Infopath service order, one or more optional features per port may be included, per service order, for the one NRC. An NRC is not applicable when optional features are ordered in conjunction with the initial Infopath service.
1.	Call Detail may also be provided on a per request basis at the same rate as the monthly rate.
E.	**Software Changes**—When software changes are requested subsequent to the initial Infopath service order, one or more software changes per port may be included, per service order for the one NRC. An NRC is not applicable when software changes are ordered in conjunction with the initial Infopath service.
F.	**Service Charges** apply as appropriate, and are in addition to the rates and charges for services specified herein.
G.	LSPP—Infopath may be billed under the LSPP described in Part A, Section 1.

5. Digital PBX Services
5.1 FLEXPATH®

Rates and charges for services explained herein are contained in Part M, Section 3. Service charges referred to herein are explained in Part A, Section 3 and contained in Part M, Section 1.

5.1.1	Description	
A.	Flexpath digital PBX service, one of the Pathways family of digital services, provides a digital path from a suitably equipped central office to a customer's digital Private Branch Exchange (PBX), or to a Telephone Company central office where service is cross connected to NRS, allowing access to and from the exchange and toll network via exchange trunk lines, WATS lines and other network access lines, including Direct Inward Dialing (DID) capability.	
1.	DID permits incoming dialed calls from the network to reach a specific station line of a PBX or other customer premises equipment without the assistance of an attendant. The facilities for the service, which are located in the suitably equipped central office, transmit and receive digital signals to and from switching equipment located on the customer's premises.	
a.	DID capability is furnished upon the condition that the customer must subscribe to and have available adequate facilities to permit the use of service without injurious effect on general telephone service.	
B.	Flexpath is furnished subject to availability of facilities and only within a Local Access and Transport Area (LATA). Flexpath may be provided from the subscriber's normal central office, or from a foreign exchange or foreign central office or from a central office with NRS capabilities. Clear Channel Capability, which provides full bandwidth utilization, will be provided where available. The line code used to provide Clear Channel Capability is bipolar with 8 zero substitution (B8ZS).	(N) (N)
C.	Flexpath is offered on a measured service-4E basis and on an unlimited service basis where unlimited PBX service is available.	
1.	No usage allowance is provided.	

5.1.2	Service Components	
A.	**Digital Ports** provide and identify up to 24 trunk circuits on a Digital Transport Facility (DTF). A digital port furnishes a group of up to 24 trunk circuits. In this group, there can be DID and non DID exchange trunks, WATS lines and other network access lines. The subscriber must initially indicate the number of these trunks and lines and their respective locations within each DTF channel.	
B.	**Digital Transport Facility (DTF)** is a 1.544 Mbps transmission channel connecting a customer's premises with the serving wire center, which provides two-way transmission of digital signals for a capacity of up to 24 trunk connections.	
C.	Customers may utilize alternate high capacity digital facilities that meets the specifications as determined by the Company in lieu of the Flexpath Digital Transport Facility specified herein. The applicable rules, regulations and rates from the appropriate Company Tariff will apply for the alternate high capacity digital facilities.	(N) (N)
D.	**Flexpath Service DID Telephone Numbers** are blocks of 100 telephone numbers (or fraction thereof) for provision of direct inward dialing.	(T)(C)

5. Digital PBX Services
5.2 Analog to Digital (A/D) Conversion PBX Service

5.2.1	Description
A.	A/D Conversion PBX service provides a digital path from a central office to a customer's digital PBX allowing exchange trunk line access to and from the exchange and toll network. The facilities for the service, which are located in the central office, convert analog signals to digital signals and permit them to be transmitted and received to and from switching equipment located on the customer's premises.
B.	A/D Conversion is offered only from suitably equipped analog central offices. A/D Conversion is furnished subject to the availability of facilities and only within a LATA. A/D Conversion may be provided from the subscriber's normal central office, or from a foreign exchange or foreign central office, subject to the availability of facilities.
C.	A/D Conversion is offered on a measured service-4E basis and on an unlimited service basis where unlimited PBX service is available.
1.	No usage allowance is provided.

5.2.2	Service Components
A.	**A/D Converter** provides signal conversion and identification of up to 24 trunk circuits on a DTF.
1.	A/D Converter furnishes a group of up to 24 trunk circuits. In this group, there can be both DID and non DID exchange trunks. The subscriber must initially indicate the number of DID and non DID exchange trunks and their respective locations within each channel.
B.	**Digital Transport Facility (DTF)** is a 1.544 Mbps transmission channel connecting a customer's premises with the serving wire center, which provides two-way transmission of digital signals for a capacity of up to 24 trunk connections.

5. Digital PBX Services
5.3 Responsibility of the Telephone Company

5.3.1	Suspension of Service
A.	Flexpath and A/D Conversion services are not subject to the provisions of temporary suspension of service.

5. Digital PBX Services
5.4 Responsibility of the Customer

5.4.1	Customer Equipment
A.	A customer provided Channel Service Unit (CSU) or an equivalent unit may be required at each termination of a DTF on the customer's premises. A unit provided by the customer must comply with the appropriate technical standards.
B.	Subscriber provided switching systems must be arranged to provide for the interception of assigned but unused station numbers, including vacant station number groups as required.

5. Digital PBX Services
5.5 Regulations

5.5.1 Minimum Period

A. The minimum period for a DTF is one year. A one month minimum service period is applicable to DID telephone numbers, each digital port and each A/D converter.

1. **Termination Charge** for a DTF disconnected prior to the expiration of its minimum service period is the total of remaining monthly payments.

5.5.2 Determination of Mileage

A. **Digital Transport Facility**—Mileage used to rate the DTF is the direct airline distance measured between the customer's premises and the serving wire center.

B. **Interoffice Channel**—Mileage used to rate the interoffice channel is the direct airline distance measured between the serving wire centers.

5.5.3 Changes and Relocations

A. A subscriber requested change in the central office designation used to provide Flexpath or A/D Conversion or a relocation of service to another premises or a relocation to another premises or a connection to a central office with NRS capabilities will be considered a disconnection of existing Flexpath or A/D Conversion and a connection of new service.

1. Termination charges, if applicable, apply for disconnected service, and a new minimum service period is established for the new service.

5.5.4 Provisions for Other Services

A. One directory listing without charge is furnished for each customer of Flexpath or A/D Conversion.

5.5.5 Application of Rates and Charges

A. The rates and charges specified herein are in addition to all other applicable regulations, rates and charges as specified in Part A and Part B. All rates and charges set forth herein provide for the furnishing of service where suitable facilities are available and do not create an obligation of the Telephone Company to construct facilities especially for this service.

B. **Foreign Exchange/Foreign Central Office**—Where a subscriber chooses to have Flexpath or A/D Conversion provided on a foreign exchange or foreign central office basis, the monthly rate of an interoffice channel applies (refer to Part C, Section 2).

5. Digital PBX Services
5.5 Regulations

5.5.5	Application of Rates and Charges
C.	**Local Messages**—All local messages are provided at the local usage charge as specified in Part A, Section 5 for business measured service-4E.
1.	Unlimited service is provided per trunk circuit equipped and at the rates and charges explained in Part H, Section 5.
D.	**DID Numbers** are provided at the rates and charges specified in Part A, Section 12.
E.	Any subsequent change in the initial DID/non DID Dedicated Toll Free Service (DTFS) lines configuration will result in the application of the appropriate charges.
F.	**PBX Trunk, WATS and Other Network Access Line** rates and charges, as contained in other sections of the tariff, are not applicable to Flexpath or A/D Conversion. Other rates and charges for associated services, which apply on a per trunk basis, apply to each of the 24 trunk circuits furnished in a digital port or furnished with an A/D Converter, provided the trunk circuits are in-service.
G.	**Digital Transport Facility** (DTF) provided at the appropriate rates and charges.
H.	**Interoffice Channels**—Charges apply as specified in Part C, Section 2.
I.	**FRPP**—Monthly rates for Flexpath and A/D Conversion are offered under the FRPP described in Part A, Section 1. Currently applicable rates are contained in the Telephone Company's Price List.
J.	Flexpath, when ordered by a wireless carrier is exempt from end user access charges as specified in Bell Atlantic Telephone Companies Tariff FCC No. 11, Section 4.6.2.

6. High Capacity FlexGrow® Service
6.1 Description

6.1.1 General	
Availability—Effective April 17, 2003 High Capacity FlexGrow service will no longer be available for new customers. High Capacity FlexGrow service is only available to existing customers for changes or rearrangements to existing systems. (N) (N)	
A.	**High Capacity FlexGrow service** (FlexGrow) is an intra-exchange multifunctional digital service for business customers that provides voice and high-speed data services on an integrated basis over a single high-capacity T1 facility. The service requires channel bank equipment to be provided on the client's premises to terminate the T1 (DS1) facility. This customer premises equipment (CPE) is not a part of the regulated service but must be compatible with the equipment in the serving central office of the customer.
B.	**FlexGrow** is offered in capacity increments of whole T1 lines, which can be used to transport analog voice-grade signals (POTS services) over channels of 64 kbps and data signals over a bonded channel. At the customer's request, the Telephone Company will channelize the available bandwidth and will route voice-grade and high-speed data signals between the customer's premises and the customer's serving central office where FlexGrow will terminate in a suitably equipped digital hubbing arrangement.
1.	The voice grade channels will then terminate in a local switch to provide the customer with POTS type services.
2.	The Telephone Company will, if necessary, further route the high-speed (bonded into a 256 kbps, 384 kbps, 512 kbps or 768 kbps channel) data signals within the same Local Access Transport Area (LATA) between the digital hubbing arrangement in the customer's serving central office and a second, suitable digital hubbing arrangement in a distant central office. No additional interoffice mileage charges shall apply. At either the customer's serving central office or the distant Verizon central office, the bonded channel which is terminated in a digital hubbing arrangement can be electronically connected at the customer's direction to a compatible bonded channel designated by the customer and in turn transported to the location specified by the customer or its authorized representative.
C.	**Service Options**–Customers may select from the following four options in determining how the available bandwidth on the single high-capacity T1 facility shall be allocated:
1.	**FlexGrow 256**–Four DS0 channels are linked to provide one 256 kbps channel for high-speed data access, leaving a total of twenty DS0 channels available for voice-grade signals.
2.	**FlexGrow 384**–Six DS0 channels are linked to provide one 384 kbps channel for high-speed data access, leaving a total of eighteen DS0 channels available for voice-grade signals.
3.	**FlexGrow 512**–Eight DS0 channels are linked to provide one 512 kbps channel for high-speed data access, leaving a total of sixteen DS0 channels available for voice-grade signals.

6. High Capacity FlexGrow® Service
6.1 Description

6.1.1 General	
C.	(Continued)
4.	**FlexGrow 768**–Twelve DS0 channels are linked to provide one 768 kbps channel for high-speed data access, leaving a total of twelve DS0 channels available for voice-grade signals.
D.	**Feature Packages**–The FlexGrow feature package is a discounted billing arrangement for business customers who subscribe to one of the following FlexGrow feature packages for a minimum of one year.
1.	**Package No. 1**–Call Waiting, Call Forwarding and Call Waiting ID with Name
2.	**Package No. 2**–Call Waiting, Call Forwarding and Caller ID
3.	**Package No. 3**–Call Forwarding, Three-way Calling and Caller ID
4.	**Package No. 4**–Call Waiting, Three-way Calling and Call Waiting ID with Name
5.	**Package No. 5**–Call Waiting, Call Forwarding, Three-way Calling and Caller ID
6.	**Package No. 6**–Call Waiting, Call Forwarding, Three-way Calling and Call Waiting ID with Name
E.	All features are subject to their individual service regulations specified elsewhere in this tariff.
F.	FlewGrow as set forth in this Section 6.1 of this tariff, has been replaced by Enhanced FlexGrow as set forth in Sections 6.2. Notwithstanding the regulations set forth in Section 6.2.3 following, the Telephone Company will continue to provide Flexgrow as set forth in this Section 6.1 to customers who subscribed to Flewgrow prior to January 20, 2002. Customers may also retain their service unless designated premises is moved, or they request a change to the service that results in disconnection service. (C) (C)

6.1.2 Regulations	
A.	FlexGrow service must be used in conjunction with one or more other tariffed services which will be provided under their own service regulations. The customer must select either basic business exchange service or Centrex Plus service as the underlying vehicle for FlexGrow service.
B.	FlexGrow is offered only from those central offices that are equipped with available proper digital hubbing arrangements.
C.	FlexGrow is furnished subject to the availability of facilities.
D.	The customer will be required to provide the technically compatible CPE needed to operate the service. The CPE is a Channel Bank which will terminate on the customer's side of the demarcation point and provide the de-multiplexing which will separate the channels and provide the analog dial tone lines, e.g. 20 lines, and the data channel, e.g. 256 kbps. The bonded data channels will be assigned to the first channels of the system. For example, FlexGrow 256 will use channels 1 through 4 for the bonded data channels.
E.	Temporary suspension of service is not available with this service.

6. High Capacity FlexGrow® Service
6.1 Description

6.1.2 Regulations	
F.	**Termination Liability**--The minimum service period for FlexGrow service is one year. If service is terminated prior to the one-year period, the customer is responsible for the balance of the monthly recurring charge for the remainder of the one-year period.

(N)

6.1.3 Responsibility of the Telephone Company	
A.	The Telephone Company is responsible for maintaining and repairing only the facilities which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any facilities installed by the Telephone Company.
B.	The Telephone Company is not responsible for the installation, operation or maintenance of any terminal equipment or communications systems provided by the customer. The Telephone Company's responsibility shall be limited to the furnishing of telecommunication and data communication facilities suitable for FlexGrow service in a manner proper for such digital service.
C.	The Telephone Company is not responsible to the customer if changes in any of the facilities, operations or procedures of the Telephone Company, utilized in the provision of this service, render any facilities provided by a customer obsolete or require modification or alteration of such equipment or otherwise affect its use or performance.

6.1.4 Application of Rates and Charges	
A.	The FlexGrow monthly rate includes the monthly rate for business basic exchange service line and/or the Centrex Plus line.
B.	The monthly rate does not include the monthly rates for optional FlexGrow feature packages or Centrex Plus features.
C.	The monthly rate applies whether or not all of the DS0 channels have been activated and are being utilized.
D.	Charges apply for cancellation or change of application for service.
E.	Local Messages are provided at the local usage charges as specified in Part A, Section 5.
F.	Nonrecurring charges apply for cancellation or change of application for service if construction has begun.

(N)

J. Michael Hickey

6. High Capacity FlexGrow® Service

6.2 Enhanced FlexGrow® Service (N)

6.2.1	Definitions
A.	**DS0** describes transmission bandwidth of 64 kilobits per second (Kbps).
B.	**64 Kbps** describes a clear channel digital data transmission utilizing the full bandwidth available on a DS0 channel.
C.	**Grooming** – Enhanced FlexGrow circuits may be groomed at a Hub to allow lower bandwidth channels to be grouped for higher bandwidth applications.
D.	**Service Level Grooming** bonds contiguous channels to attain greater transmission speeds.
1.	Service Level 4 – bonds four DS0 channels together to attain a 256 Kbps speed.
2.	Service Level 6 – bonds six DS0 channels together to attain a 384 Kbps speed.
3.	Service Level 8 – bonds eight DS0 channels together to attain a 512 Kbps speed.
4.	Service Level 12 – bonds twelve DS0 channels together to attain a 768 Kbps speed.
E.	**Voice Grade Connectivity** are channels which connect to either intraoffice or interoffice channels to reach a channel termination of a remote customer location or facility of a designated customer representative.

6.2.2	General
A.	Enhanced FlexGrow® Service is an intraexchange, multifunctional digital service for business customers that provides voice and high-speed data services on an integrated basis over a single high-capacity T1 facility. The service requires channel bank equipment on the customer's premises to terminate the T1 (DS1) facility. The customer premises equipment (CPE) is not part of the regulated service but must be compatible with the equipment in the serving central office of the customer.
B.	Enhanced FlexGrow® Service is offered in capacity increments of whole T1 lines, which can be used to transport analog voice grade signals over DS0 channels (64 Kbps capacity). High-speed data signals are available over bonded channels. At the customer's request, the Telephone Company will channelize the available bandwidth and will route voice grade and high-speed data circuits between the customer's premises and the customer's serving central office. The DS1 facility will terminate in a suitably equipped digital arrangement.
C.	The following types of network services are available on a channelized basis via Enhanced FlexGrow® Service:
1.	Analog Voice Service (local Exchange lines, PBX trunks, Digital Centrex Plus, voice grade private lines).
2.	Dedicated Access at speeds of 256 Kbps, 384 Kbps, 512 Kbps and 768 Kbps. (N)

6. High Capacity FlexGrow® Service

6.2 Enhanced FlexGrow® Service (N)

6.2.2	General
D.	The Telephone Company will, if necessary, further route private line or dedicated services within the same Local Access Transport Area (LATA) between the digital hubbing arrangement in the customer's serving central office and a suitable digital hubbing arrangement in a remote central office. At either the customer's serving central office or the remote central office, the private line or dedicated channels which are terminated in a digital hubbing arrangement can be electronically connected to compatible channels designated by the customer or authorized representative. Initial service activation is required for a DS1 facility. Additional activity subsequent to the initial installation is required on a DS0 basis if capacity is available.
E.	**Feature Packages** – Discounted billing arrangements are available for business customers who subscribe to one of the following FlexGrow feature packages for a minimum of one year.
1.	**Package No. 1**— Call Waiting, Call Forwarding and Call Waiting ID with Name
2.	**Package No. 2**— Call Waiting, Call Forwarding and Caller ID
3.	**Package No. 3**— Call Forwarding, Three-way Calling and Caller ID
4.	**Package No. 4**— Call Waiting, Three-way Calling and Call Waiting ID with Name
5.	**Package No. 5**— Call Waiting, Call Forwarding, Three-way Calling, and Caller ID
6.	**Package No. 6**— Call Waiting, Call Forwarding, Three-way Calling, and Call Waiting ID with Name
7.	All features are subject to their individual service regulations specified elsewhere in this tariff.
F.	Both the FlexGrow Feature packages described above and the features that are offered to subscribers of Centrex Plus service, described in Part H, Section 5 of this tariff, are available to FlexGrow customers.

6.2.3	Regulations
A.	Enhanced FlexGrow® Service is provided subject to the availability of facilities.
B.	Enhanced FlexGrow® Service is available on a digital basis at the network interface on the customer's premises.
C.	Enhanced FlexGrow® Service arrangements must have at least one DS0 equivalent FlexGrow channel activated. The total number of FlexGrow channels activated by the customer may not at any time exceed the total Enhanced FlexGrow® Service capacity.
D.	Enhanced FlexGrow® Service must be channelized in a single equipment location on the customer's premises. Multiple customer locations must be served by one or more separate DS1 FlexGrow System(s).
E.	Direct Inward Dialing capability is available on PBX trunks at the rates specified in Part C, Section 5, of this Tariff.
F.	Customers can elect one of three different options at the time Enhanced FlexGrow is ordered. The service can be ordered (a) on a month-to-month basis, (b) under a two-year commitment, and (c) under a three-year commitment. (N)

6. High Capacity FlexGrow® Service
6.2 Enhanced FlexGrow® Service

(N)

6.2.3	Regulations
G.	Temporary suspension of service is not available with this service.
H.	**Termination Liability** – The minimum service period for FlexGrow Service is one year. If service is terminated within the minimum service period, the customer is responsible for 100% of the recurring charges for the balance of the minimum service period. In addition, customers who have selected a two-year or three-year service commitment period are responsible for 30% of the unpaid balance remaining in the selected service period.
1.	Customers may convert from a month-to-month, two- or three-year service agreement, or to a different Enhanced FlexGrow Package, without incurring a termination liability charge, as long as the service agreement is equal to or greater than the customer's current service period.

6.2.4	Responsibility of the Customer
A.	It is the responsibility of the customer (or any other party of interest such as the applicant for service or the owner or operator for the premises or the builder) to provide in a manner satisfactory to the Telephone Company and without cost to the Telephone Company a means of access to the facilities into the building; space for mounting the necessary terminals and equipment; an environment suitable for equipment; and, where required, a means to reach each floor and each suite or office on each floor where service is desired.

6.2.5	Responsibility of the Telephone Company
A.	The Telephone Company's responsibility ends at the Demarcation Point and does not include maintaining operational capability of customer provided equipment. Customers must provide and maintain customer premises equipment at their own expense.
B.	The Telephone Company undertakes to maintain and repair the facilities which it furnishes in order to provide Enhanced FlexGrow® Service. The customer may not rearrange, disconnect, remove, or attempt to repair any equipment installed by the Telephone Company without prior written consent of the Telephone Company.

(N)

6. High Capacity FlexGrow® Service
6.2 Enhanced FlexGrow® Service

(N)

6.2.6	Variable Term Payment Plan
A.	The monthly rates for Enhanced FlexGrow are offered under the VTPP as described herein and in Part A, Section 1. The VTPP monthly rates are payable over the following Optional Payment Periods (OPP) as selected by the customer.
1.	The available OPPs for Enhanced FlexGrow are month-to-month, 24 months and 36 months.

6.2.7	Application of Rates and Charges
A.	Enhanced FlexGrow monthly rate includes the monthly rate for the business basic exchange service line and/or the Centrex Plus line.
1.	Usage rates apply as appropriate.
B.	Compatible optional features or optional Centrex Plus features which are not included herein are available at tariff rates specified within this tariff.

(N)